# NEBRASKA
# WEATHER & CROPS

For Week Ending May 10, 1998

NASS NEBRASKA AGRICULTURAL STATISTICS SERVICE

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U.S. Department of Agriculture
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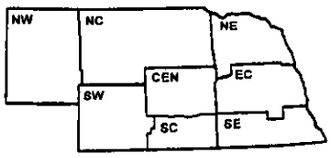
National Oceanic and Atmospheric Admn
National Weather Service




Nebraska Department of Agriculture
Division of Agr'l Statistics
Cooperative Extension Service
Institute of Agriculture
and Natural Resources--UN-L

## WEATHER

Temperatures for the week varied from three degrees below normals in the west to four degrees above normals in the east. Precipitation averaged from ten hundredths of an inch to nearly an inch across the State.

## GENERAL

Fieldwork activities were in full swing last week with corn producers making excellent planting progress, according to the Nebraska Agricultural Statistics Service. Although the dry weather conditions were good for fieldwork activities, rain was needed to encourage crop emergence and grass growth. As of Friday, western wheat fields were in need of moisture. One inch of rainfall was recorded in parts of the west over the weekend. Other producer activities consisted of finalizing oats seeding, spring tillage, irrigation, grain marketing, and working of cattle.

## CROPS

Winter wheat condition declined from last week and rated 3% very poor, 14% poor, 32% fair, 44% good and 7% excellent. By Sunday, 54% of the crop had jointed, ahead of 40% last year and 53% for the five-year average. Reports as of Friday indicated wheat stands in western and southwestern fields were beginning to show signs of stress due to the lack of topsoil moisture.

## CROPS (Cont.)

Corn planting jumped to 83% complete as of Sunday, well ahead of both 64% last year and 49% for the five-year average. Emergence was at 8%, compared to 5% last year and 6% average Irrigation had begun in a number of areas to insure adequate seed germination.

Soybean planting was active as producers switched attention from corn. Soybean acreage planted was at 12%, ahead of 4% last year and 5% average.

Sorghum planting progress was also ahead of normal with 9% of the crop in the ground by Sunday, compared to 4% last year and 2% average.

Oats emergence was 78% complete, compared to 69% last year.

Alfalfa condition rated 2% poor, 23% fair, 64% good and 11% excellent.

## LIVESTOCK, PASTURE & RANGE

Pasture and range condition rated 1% very poor, 6% poor, 26% fair, 62% good, and 5% excellent. In many areas, cattle had been moved to pastures. Additional moisture supplies were needed in parts of the west to promote grass growth Muddy feed lot conditions of weeks past have improved significantly.

| CROP PROGRESS AS OF MAY 10, 1998 | AGRICULTURAL STATISTICS DISTRICTS | | | | | | | | STATE | LAST WEEK | LAST YEAR | AVER-AGE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NW | NC | NE | C | EC | SW | SC | SE | | | | |
| % Corn Planted | 76 | 74 | 77 | 84 | 89 | 70 | 89 | 90 | 83 | 43 | 64 | 49 |
| % Corn Emerged | 10 | 10 | 4 | 7 | 5 | 8 | 11 | 18 | 8 | n/a | 5 | 6 |
| % Wheat Jointed | 27 | 24 | 69 | 61 | 76 | 61 | 59 | 86 | 54 | 29 | 40 | 53 |
| % Sorghum Planted | 0 | 4 | 17 | 4 | 1 | 3 | 9 | 11 | 9 | n/a | 4 | 2 |
| % Soybean Planted | 0 | 7 | 13 | 12 | 8 | 7 | 10 | 17 | 12 | 1 | 4 | 5 |
| DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF MAY 8, 1998 | | | | | | | | | | | | |
| Days suitable | 6 0 | 6.6 | 6.8 | 6.9 | 6.7 | 6.3 | 6.1 | 5.9 | 6.4 | 5.2 | 5.7 | |
| Topsoil moisture - Very Short | 5 | 1 | 4 | 0 | 0 | 34 | 0 | 0 | 4 | 2 | 1 | |
| (Percent) - Short | 64 | 43 | 23 | 36 | 39 | 53 | 19 | 19 | 36 | 13 | 16 | |
| - Adequate | 31 | 55 | 73 | 64 | 59 | 13 | 80 | 74 | 59 | 80 | 79 | |
| - Surplus | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 7 | 1 | 5 | 4 | |
| Subsoil moisture - Very Short | 2 | 1 | 0 | 0 | 0 | 35 | 0 | 0 | 3 | 1 | 0 | |
| (Percent) - Short | 19 | 19 | 3 | 11 | 12 | 42 | 12 | 0 | 14 | 9 | 11 | |
| - Adequate | 79 | 79 | 96 | 87 | 85 | 23 | 88 | 87 | 80 | 86 | 86 | |
| - Surplus | 0 | 1 | 1 | 2 | 3 | 0 | 0 | 13 | 3 | 4 | 3 | |

n/a = not available.

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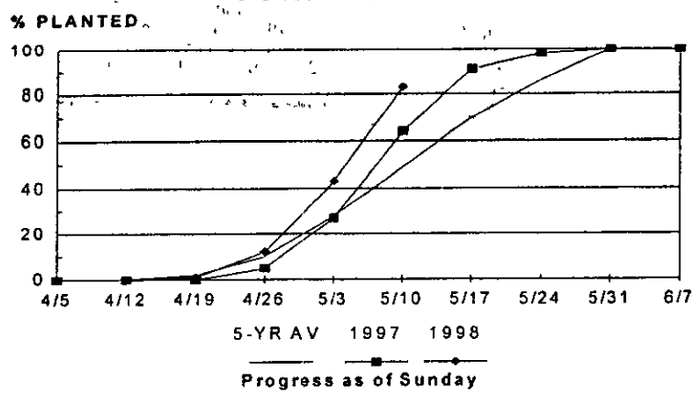
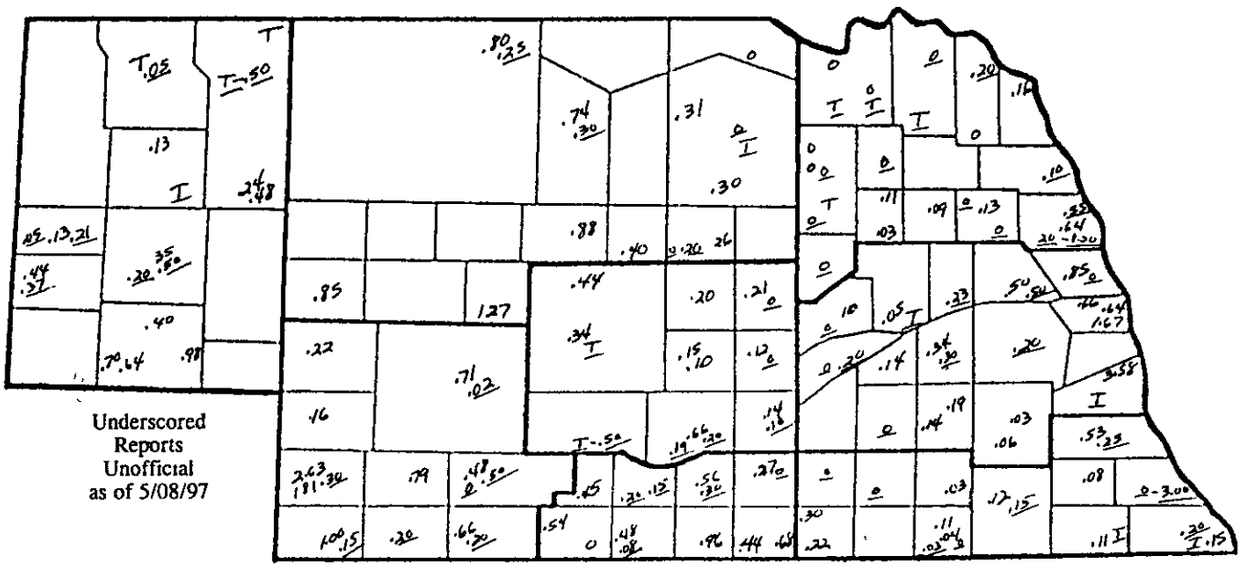
## CORN PLANTED




## PRECIPITATION MAP FOR WEEK ENDING SATURDAY, MAY 9, 1998




### PRECIPITATION, APRIL 1 - MAY 9, 1998

| | NW | NC | NE | CEN | EC | SW | SC | SE |
|---|---|---|---|---|---|---|---|---|
| Total past week . . . . . | 37 | 58 | 10 | 28 | 64 | 94 | .55 | .18 |
| Total since April 1 . . . . . | 1.15 | 2.51 | 4 56 | 3 25 | 4 57 | 1.56 | 3.28 | 2.67 |
| Normal since April 1 . . | 2.67 | 3 11 | 3 54 | 3 47 | 3.90 | 2.79 | 3.19 | 3.94 |
| Total as % of normal . . . . . | 43% | 81% | 129% | 94% | 117% | 56% | 103% | 68% |

### TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SATURDAY, MAY 9, 1998

| | Station | Temperature | | | | Precipitation | Growing Degree Data Since April 15 | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Extremes | | Mean | Departure | Total Inches | Last Week | Current | Normal |
| | | Max | Min | | | | | | |
| NW | Chadron | 84 | 29 | 52 | --- | T | --- | --- | --- |
| | Scottsbluff | 78 | 34 | 52 | -1 | 13 | 55 | 183 | 171 |
| | Sidney | 76 | 31 | 51 | --- | 64 | 47 | 151 | 173 |
| NC | Valentine | 78 | 30 | 51 | -3 | 80 | --- | --- | --- |
| | Arthur | --- | --- | - - | --- | --- | 52 | 164 | 191 |
| | O'Neill | --- | --- | --- | --- | --- | 67 | 166 | 203 |
| NE | Norfolk | 87 | 39 | 59 | +2 | 11 | --- | --- | --- |
| | Sioux City | 89 | 40 | 60 | +2 | 16 | --- | --- | --- |
| | Concord | --- | --- | --- | --- | --- | 82 | 203 | 205 |
| | Elgin | --- | --- | --- | --- | --- | 76 | 177 | 204 |
| | West Point | --- | --- | --- | --- | --- | 86 | 210 | 213 |
| CEN | Grand Island | 84 | 40 | 59 | +1 | 14 | 75 | 189 | 215 |
| | Ord | 76 | 34 | 56 | --- | 20 | 75 | 183 | 210 |
| | Kearney | --- | --- | --- | --- | --- | 73 | 186 | 214 |
| EC | Lincoln | 83 | 41 | 61 | +2 | 03 | 92 | 220 | 225 |
| | Omaha | 81 | 44 | 62 | +4 | .64 | --- | --- | --- |
| | Central City | --- | --- | --- | --- | --- | 80 | 202 | 213 |
| | Mead | --- | --- | --- | --- | --- | 95 | 230 | 220 |
| SW | Imperial | 85 | 32 | 54 | --- | 2 63 | --- | --- | --- |
| | North Platte | 84 | 25 | 52 | -3 | 71 | 63 | 191 | 199 |
| | Curtis | --- | --- | --- | --- | --- | 65 | 190 | 210 |
| SC | Holdrege | --- | --- | --- | --- | --- | 75 | 194 | 215 |
| | Red Cloud | --- | --- | --- | --- | --- | 87 | 222 | 215 |
| SE | Beatrice | --- | --- | --- | --- | --- | 88 | 211 | 224 |
| | Clay Center | --- | --- | --- | --- | --- | 81 | 203 | 215 |

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp divided by 2 minus 50 = GDD For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.